BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Detailed Estimate for the Work of Construction of Immersion Tank for Lord Ganesha idols at Near Rachenahalli Lake in Ward No 06 Byatarayanaprua Sub Division

				Estimate Cost Rs.				2000000.00	
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-2.1 : earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in **Hard soil** not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No. 5/ Item No. 2.4/ PWD SR 2014-15	Cum							
	Fro Tank		1	15.00	12.00	4.80	864.00		
							864.00	264.60	**228614.00**
	Basic Rate	245.00							
	Area Weightage @ 8%	19.60							
	Total	**264.60**							
2	KSRB-4-1.3 : Providing and laying in position **plain cement concrete of mix M 1:4:8** withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.3/ PWD SR 2014-15	**Cum**							
	For Tank		1	15.00	12.00	0.15	27.00		
							27.00	4847.04	**130870.00**
	Basic Rate	4488.00							
	Area Weightage @ 8%	359.04							
	Total	**4847.04**							
3	KSRB 5.2.3 Providing and constructing granite / trap / basalt Size stone masonry **in foundation** with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 Page No. 23/ Item No. 5.6/ PWD SR 2014-15	cum							
	For Tank Long Wall		2	15.00	0.75	2.35	52.88		
	Shart Walls		1	10.50	0.75	2.35	18.51		
			1	10.50	0.75	1.50	11.81		
							83.19	3836.16	**319145.00**
	Basic Rate	3552.00							
	Area Weightage @ 8%	284.16							
	Total	**3836.16**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
4	KSRB 5.3-3 Providing and constructing granite / trap / basalt size stone masonry **in basement** with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 23/ Item No. 5.9/ PWD SR 2014-15	**Cum**							
	For Tank Long Wall		2	15.00	0.60	2.30	41.40		
	Shart Walls		1	10.80	0.60	2.30	14.90		
	Steps		1	10.80	8.10	0.20	17.50		
			1	10.80	7.65	0.20	16.52		
			1	10.80	7.20	0.20	15.55		
			1	10.80	6.75	0.20	14.58		
			1	10.80	6.30	0.20	13.61		
			1	10.80	5.85	0.20	12.64		
			1	10.80	5.40	0.20	11.66		
			1	10.80	4.95	0.20	10.69		
			1	10.80	4.50	0.20	9.72		
			1	10.80	4.05	0.20	8.75		
			1	10.80	3.60	0.20	7.78		
			1	10.80	3.15	0.20	6.80		
			1	10.80	2.70	0.20	5.83		
			1	10.80	2.25	0.20	4.86		
			1	10.80	1.80	0.20	3.89		
			1	10.80	1.35	0.20	2.92		
			1	10.80	0.90	0.20	1.94		
			1	10.80	0.45	0.20	0.97		
							222.52	**4542.48**	**1010774.00**
	Basic Rate	4206.00							
	Area Weightage @ 8%	336.48							
	Total	**4542.48**							
5	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix **M20** withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, **No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2014-15**	**Cum**							
	Bottom Concrete		1	10.50	8.90	0.15	14.02		
	Steps		1	10.80	0.45	0.10	0.49		
			1	10.80	0.45	0.10	0.49		
			1	10.80	0.45	0.10	0.49		
			1	10.80	0.45	0.10	0.49		
			1	10.80	0.45	0.10	0.49		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			1	10.80	0.45	0.10	0.49		
			1	10.80	0.45	0.10	0.49		
			1	10.80	0.45	0.10	0.49		
			1	10.80	0.45	0.10	0.49		
			1	10.80	0.45	0.10	0.49		
			1	10.80	0.45	0.10	0.49		
			1	10.80	0.45	0.10	0.49		
			1	10.80	0.45	0.10	0.49		
			1	10.80	0.45	0.10	0.49		
			1	10.80	0.45	0.10	0.49		
			1	10.80	0.45	0.10	0.49		
			1	10.80	0.45	0.10	0.49		
			1	10.80	0.45	0.10	0.49		
	Walls		2	15.00	0.60	0.10	1.80		
			1	10.80	0.60	0.10	0.65		
							25.21	6065.28	**152927.00**
	Basic Rate	5616.00							
	Area Weightage @ 8%	449.28							
	Total	**6065.28**							
6	KSRB 15.1.3: Providing **FLush pointing** to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 109/ Item No. 15.1/ PWD SR 2014-15	Sqm							
	Long walls		2	13.50		4.65	125.55		
			1	10.80		4.65	50.22		
			1	10.80		1.50	16.20		
							191.97	91.80	**17623.00**
	Basic Rate	85.00							
	Area Weightage @ 8%	6.80							
	Total	**91.80**							
7	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46.2/ PWD SR 2014-15	**Tone**							
	0.070 Ton/Cum		0.045	14.02			**0.63**	78351.84	**49423.00**
	Basic Rate	72548.00							
	Area Weightage @ 8%	5803.84							
	Total	**78351.84**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
8	Supplying and fixing M.S rectangular poles made out of 2 equal angles of 65x656 mm welded together and fixed in CC (1:2:4) with 2 NOS 16 mm dia, M.S hold fast rods each of length 25 cms, including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineer in charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete), No. 252/ Item No. 37.2 PWD SR 2014-15	M							
			5			2.10	**10.50**	1093.92	**11486.00**
	Basic Rate	1032.00							
	Area Weightage @ 6%	61.92							
	Total	**1093.92**							
9	Providing and fixing M.S. Block pipe of 39 mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the two vertical poles (M.S rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the engineer in charge of work etc, complete including two coats of approved quality paint over one coat of shop paint, No. 252/ Item No. 37.4 PWD SR 2014-15	M							
			3	15.00			**45.00**	316.94	**14262.00**
	Basic Rate	299.00							
	Area Weightage @ 6%	17.94							
	Total	**316.94**							
10	Providing chain link fencing 50 mm size of 8 guage properly stretched between rectangular poles and fixed with suitable bolts & nuts, the free ends shall bed welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the engineer – in charge of work including two coats of approved quality paint over one coat of shop paint, No. 252/ Item No. 37.3 PWD SR 2014-15	Sqm							
			1	15.00		1.50	22.50		
							22.50	669.92	**15073.00**
	Basic Rate	632.00							
	Area Weightage @ 6%	37.92							
	Total	**669.92**							
11	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123,	Cum							
		50% OF Qty Vide Item No. 1					**432.00**		
							432.00	67.32	**29082.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic Rate Lead Charges Upto 2.00 Kms	5.12							
	PWD SR 2010-11 (P.118/I.17.1) For loading	62.20							
	Total	**67.32**							
							Grand Total		**1979279.00**
12	For 1% Third Party Inspection Charges								**19793.00**
13	Miscesallaneous Charges	L/S							**928.00**
								Total	**2000000.00**

Rupees Twenty Lakh(s) Only

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2014-15
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

Executive Engineer
Byatarayanapura Division
Bruhat Bangalore Mahanagara Palike

Assistant Executive Engineer
Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore

Technical Sanction for Rs. 20.00 lakh
Twenty lakhs only
P-1771
Registered as EE No: 93 Dated 29-10-14 Subject to conditions contained enclosed memo.
No: TS/EE/93/14-15, Dt 29-10-14
AE/JE
EE (BTP.Div.)

ADMINISTRATIVELY SANCTIONED FOR Rs.....
Rupees 20.00 Lakhs
Twenty lakhs only
Under
Registered as EE ( ) No 93
Subject to conditions contained in enclosed memo EE ( ) No 1158/14-15
Dt Estimate A/Sanctioned
No
dated Rs

Addl Joint Commissioner
(Yelahanka Zone)
BBMP. Bengaluru-92.